



Laboratory Investigation Report

Patient Name	Centre
Age/Gender	OP/IP No/UHID
MaxID/Lab ID	Collection Date/Time
Ref Doctor	Reporting Date/Time

Hematology

Max Thalassemia Profile



SIN No: B2B1012899

Complete Haemogram, Peripheral Smear and ESR, EDTA

Date	22/Nov/2022 03:58PM	Unit	Bio Ref Interval
Haemoglobin	12.3	g/dl	12.0 - 15.0
Modified cyanmethemoglobin			
Packed Cell, Volume	38.1	%	40-50
Calculated			
Total Leucocyte Count (TLC)	6.0	10~9/L	4.0-10.0
Electrical Impedance			
RBC Count	4.50	10~12/L	3.8-4.8
Electrical Impedance			
MCV	84.7	fL	83-101
Electrical Impedance			
MCH	27.2	pg	27-32
Calculated			
MCHC	32.2	g/dl	31.5-34.5
Calculated			
Platelet Count	152	10~9/L	150-410
Electrical Impedance			
Comment: The platelet count has also been rechecked microscopically.			
MPV	11.2	fl	7.8-11.2
Calculated			
RDW	14.6	%	11.5-14.5
Calculated			

Differential Cell Count

VCS / Light Microscopy

Neutrophils	48.4	%	40-80
Lymphocytes	39.8	%	20-40
Monocytes	5.6	%	2-10
Eosinophils	5.4	%	1-6
Basophils	0.8	%	0-2

Absolute Leukocyte Count

Calculated from TLC & DLC

Absolute Neutrophil Count	2.9	10~9/L	2.0-7.0
Absolute Lymphocyte Count	2.4	10~9/L	1.0-3.0
Absolute Monocyte Count	0.34	10~9/L	0.2-1.0
Absolute Eosinophil Count	0.32	10~9/L	0.02-0.5
Absolute Basophil Count	0.05	10~9/L	0.02-0.1

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Test Performed at :585 - Max Hospital - Gurugram, Opposite HUDA City Centre Metro Station, B - Block

Booking Centre :4046 - Nestlings Hospitals Pvt Ltd, A1/230, Sushant Lok 2, Opposite Rapid Metro Pillar 237, Sec. 56, Gurgaon, 9811930454

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Max Lab Limited (A Wholly Owned Subsidiary of Max Healthcare Institute Ltd.)

Max Super Speciality Hospital, Saket (West Block), 1, Press Enclave Road, Saket, New Delhi - 110 017, Phone: +91-11-6611 5050

(CIN No.: U85100DL2021PLC381826)

Helpline No. 7982 100 200 www.maxlab.co.in feedback@maxlab.co.in

Conditions of Reporting: 1. The tests are carried out in the lab with the presumption that the specimen belongs to the patient name as identified in the bill/test request form. 2. The test results relate specifically to the sample received in the lab and are presumed to have been generated and transported per specific instructions given by the physicians/laboratory. 3. The reported results are for the information and interpretation by the referring doctor only. 4. Some tests are referred to other laboratories to provide a wider test menu to the customer. 5. Max Healthcare shall in no event be liable for accidental damages loss, or destruction of specimen which is not attributable to any direct and mala fide act or omission of Max Healthcare or its employees. Liability of Max Healthcare for deficiency of services, or other errors and omissions shall be limited to fee paid by the patient for the relevant laboratory services.



MC-2980



Laboratory Investigation Report

Patient Name	Centre
Age/Gender	OP/IP No/UHID
MaxID/Lab ID	Collection Date/Time
Ref Doctor	Reporting Date/Time

Hematology Special

Max Thalassemia Profile



SIN No: B2B1012899

Test Name	Result	Unit	Bio Ref Interval
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[PDF Attached](#)

Haemoglobin HPLC, EDTA

Lab Number	13872/2022		
Hb F	0.5	%	0.0-1.0
P2	3.9		
P3	4.4	%	<6.0
HbA0 (non-glycated)	87.3	%	80-90
Hb A2	2.6	%	2.0 - 3.5

RBC Indices

Haemoglobin. Non- Haemoglobincyanide	12.6	gm/dl	12-15
RBC Count. Electrical Impedance	4.67	10~12/L	4.5-5.5
MCV. Electrical Impedance	85.7	fL	83-101
MCH. Calculated	27.1	pg	27-32
RDW. Calculated	15.6	%	11.5-14.5

Interpretation (HPLC)

Normal Study

Comment

(Syn: - High Performance Liquid Chromatography, Hb HPLC)

Hb HPLC is used for screening of Beta Thalassemia and detection of many other haemoglobin variants (Hemoglobin E, D Punjab, Sickle cell anaemia etc.) along with their concentration to establish zygosity.

Normal HbA2 values can be seen in Alpha Thalassemia trait, silent/ atypical Beta Thalassemia and Beta Thalassemia with iron deficiency.

A repeat Hb HPLC should be performed after replenishing iron stores in cases with microcytic hypochromic indices.

Advise: -

If there is absence of iron deficiency & persistence of microcytic hypochromic indices, then the possibility of Alpha Thalassemia trait or silent/ atypical Beta Thalassemia trait cannot be ruled out. Hb HPLC of parents and molecular sequencing of globin genes are recommended in these cases.

In individuals with beta thalassemia trait and carriers of haemoglobin variants –

Test Performed at :910 - Max Hospital - Saket M S S H, Press Enclave Road, Mandir Marg, Saket, New Delhi, Delhi 110017

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MC-2714



Laboratory Investigation Report

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MaxID/Lab ID	Collection Date/Time
Ref Doctor	Reporting Date/Time

Hematology Special
Max Thalassemia Profile



SIN No: B2B1012899

Test Name	Result	Unit	Bio Ref Interval
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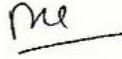
1. Familial study is recommended.
2. In cases of young/ pregnant females - Hb HPLC testing of spouse is strongly recommended.
3. Genetic counselling

Kindly correlate with clinical findings

*** End Of Report ***



Dr. Poonam. S. Das, M.D.
Principal Director-
Max Lab & Blood Bank Services



Dr. Dilip Kumar M.D.
Associate Director &
Manager Quality



Dr. Nitin Dayal, M.D.
Principal Consultant & Head,
Haematopathology

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MC-2714

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Patient Data

Sample ID:
 Patient ID:
 Name:
 Physician:
 Sex:
 DOB:
 Comments:

Analysis Data

Analysis Performed:
 Injection Number:
 Run Number:
 Rack ID:
 Tube Number:
 Report Generated:
 Operator ID:

Peak Name	Calibrated Area %	Area %	Retention Time (min)	Peak Area
Unknown	---	0.1	1.00	1738
F	0.5	---	1.09	11652
Unknown	---	1.1	1.21	26525
P2	---	3.9	1.31	93153
P3	---	4.4	1.70	105640
Ao	---	87.3	2.40	2082794
A2	2.6	---	3.63	63162

Total Area: 2,384,662

F Concentration = 0.5 %
 A2 Concentration = 2.6 %

Analysis comments:

